

# ELASTOLITH<sup>®</sup>

Distributed in North America by First Storey Ventures Ltd.

## ELASTOLITH BRICK SLIPS

### Authentic masonry aesthetics for code-compliant facades

A lightweight mineral brick-slip finish system that combines masonry character, modern design flexibility, fire-test support, and verified LCA/EPD documentation for North American projects.

#### NFPA 285

tested assemblies

#### ULC S134

tested assemblies

#### ASTM E84

Class A: 5 / 5

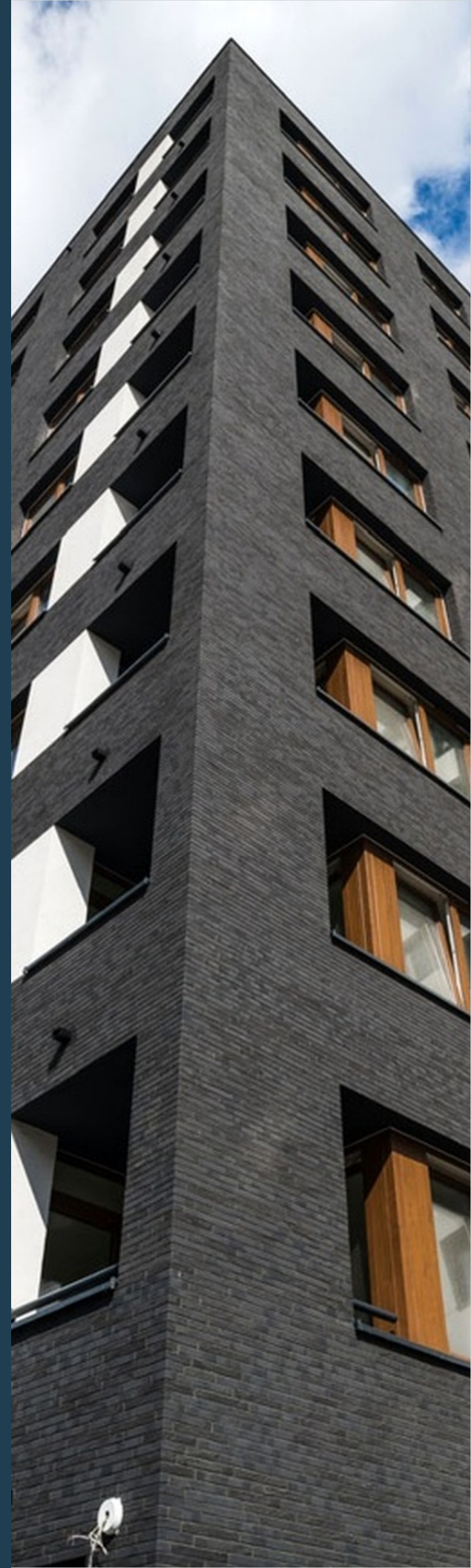
#### LCA / EPD

verified data

**Bring masonry character to modern facades.**

Samples, test reports, design details and technical support available.

[www.elastolith-america.com](http://www.elastolith-america.com) | [info@elastolith-america.com](mailto:info@elastolith-america.com)



# Product + System Overview

Three-component finish system for code-compliant structural walls

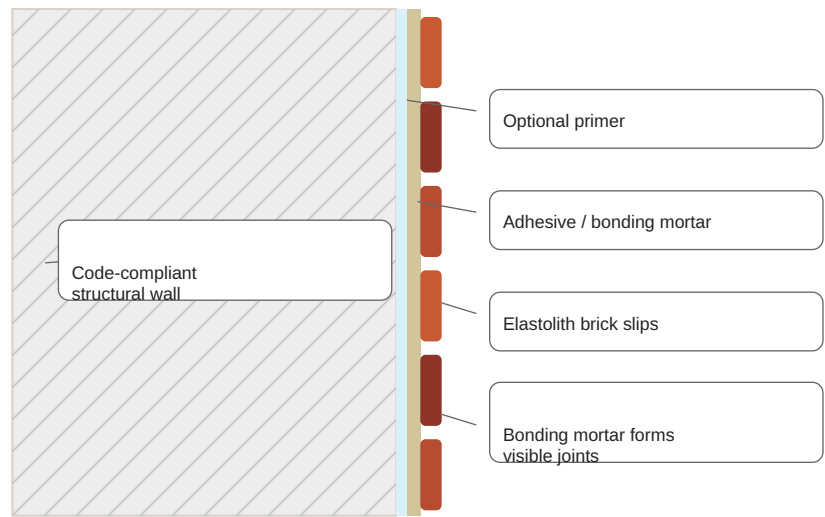
## What it is

Elastolith brick slips are high-quality, organically bonded tiling strips made from mineral raw materials. They are used with Elastolith Adhesive Mortar on suitable load-bearing surfaces. The adhesive color is also the joint color, so separate grouting is not part of the system.

## North America scope

- For code-compliant structural wall assemblies; final use must be confirmed by the design professional and AHJ.
- Possible wall examples: CMU, prefabricated wall panels, EIFS, wire lath stucco, rainscreen assemblies, or other code-compliant walls.
- Use project-specific tested or approved assembly details where required.

## System components



| Component                 | Role                                                                                               | Practical note                                                                        |
|---------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Optional Primer           | Absorbency/adhesion control layer where substrate conditions require it.                           | Highly absorbent surfaces must be pre-treated with absorbency-regulating primer.      |
| Adhesive / Bonding Mortar | Ready-to-use adhesive that bonds slips and creates visible joints.                                 | Apply with toothed trowel; work only areas that can be covered before skin formation. |
| Brick Slips               | Thin mineral finish units with authentic brick, stone-block, wood-grain and custom design options. | Blend from multiple boxes to achieve intended color and texture distribution.         |

Coordination note: The complete wall assembly behind the Elastolith finish remains responsible for structure, moisture control, drainage, flashing, penetrations, movement joints and code compliance.

# Why Architects and Builders Choose Elastolith

Value propositions for design, construction and ownership teams

Elastolith gives project teams a way to specify masonry character without the mass, breakage, and installation complexity associated with conventional masonry veneer. The system supports new construction, retrofit, prefabrication and architectural feature work when used on a compatible, code-compliant structural wall.

**1**

## Authentic masonry character

Real texture, visible mortar joints, corner pieces, long formats and classic running-bond looks.

**2**

## Lightweight facade finish

Brick slips weigh 4-5 kg/m<sup>2</sup>; typical slip + mortar system weight is 6-8 kg/m<sup>2</sup>.

**3**

## Fast, practical installation

Ready-to-use adhesive mortar bonds the slips and forms the joint color; no separate grouting step.

**4**

## Design freedom

Wide range of colors, structures and dimensions; custom shapes, stone-block, wood-grain and designer finishes available.

**5**

## Technical confidence

ASTM E84 Class A surface-burning data, plus NFPA 285 and ULC S134 assembly testing support code-driven facade review.

**6**

## Lower-impact masonry look

LCA/EPD benchmark shows much lower installed mass and reported facade-area GWP than clay masonry benchmarks.

**7**

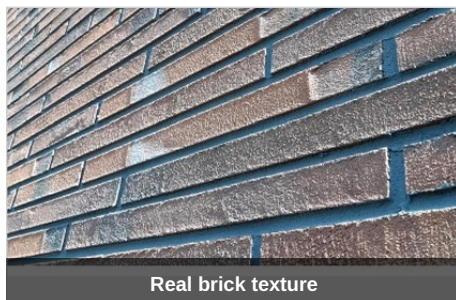
## Durable finish qualities

Washable, impact-resistant, paintable, vapor permeable, colourfast and able to take a knock.

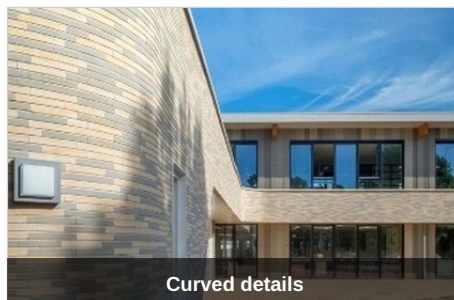
**8**

## North American support

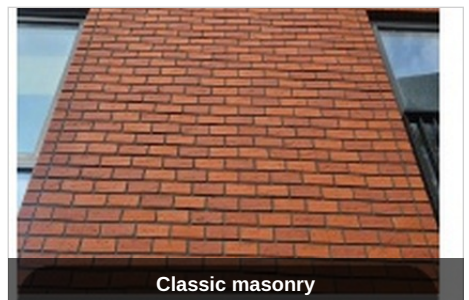
Samples, test reports, application details and design coordination support available through First Storey Ventures.



Real brick texture



Curved details



Classic masonry

# Technical Details at a Glance

Product data, mortar data, and North American fire-test support

## Elastolith Brick Slips

- Organically bonded tiling strips made from mineral raw materials; filler includes quartz sand and lime.
- Slip thickness 4-5 mm; slip weight 4-5 kg/m<sup>2</sup>.
- Typical slip + mortar system weight: 6-8 kg/m<sup>2</sup>.
- Minimum surface and air temperature: +5°C during application and curing.
- Temperature range after processing: -40°C to +100°C.
- Washable, impact-resistant, paintable, vapor permeable, colourfast and easy to cut to size.

## Adhesive / Bonding Mortar

- Ready-to-use dispersion adhesive developed for laying Elastolith brick slips.
- The adhesive color is also the joint color; separate grouting is not required.
- Dry layer thickness: 1-2 mm; dry weight: 2.0-2.8 kg/m<sup>2</sup>.
- Wet consumption: 2.5-3.5 kg/m<sup>2</sup> depending on surface and working method.
- Standard colors include white, sand grey, light grey, cement grey, grey, anthracite and brown.
- Packaging: 20 kg tubs; store frost-free.

## Fire-test support for code-driven facade review

### NFPA 285

successful exterior wall assembly testing

### ULC S134

successful Canadian exterior wall fire testing

### ASTM E84

Class A: Flame Spread 5 / Smoke Developed 5

Applicability: Fire-test applicability depends on the complete wall assembly, substrate, installation details, local code and authority having jurisdiction. Request tested assembly documentation before specification.

## Bonding mortar practical details



20 kg ready-to-use pail



Mortar / joint colors

### Why the mortar matters

- One material bonds the slips and creates the visible joint profile.
- Brush/tool joints immediately after placement so adhesive contacts the slip sides and ends.
- Tools clean with lukewarm water before adhesive hardens.

# Design Options + Basic Collection

Standard colors, formats, mortar colors, corners and custom designer finishes

The Basic Collection gives North American project teams a readily specified palette of standard brick slip looks. Non-standard and custom-made products can also be developed for project-specific colors, textures, shapes and sizes.



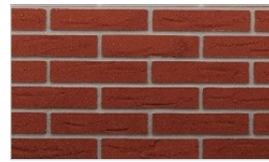
E3468



E4274



E6003



E6008



E11688



E6011



E6012



E6013



E7516



E8050



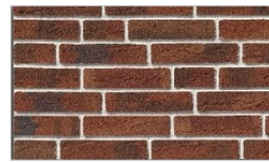
E8959



E9902



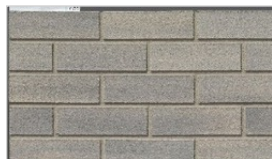
E9961



E10026



E10604



E11070



E11226



E11411



E12866

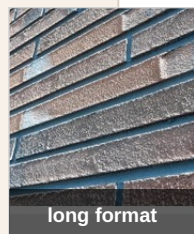
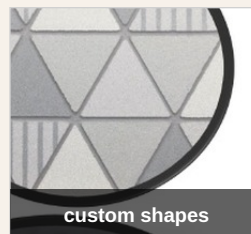


E12898

## Formats, corners + mortar

- Standard dimensions in technical data include 50 x 210 mm, 52 x 240 mm, 65 x 215 mm, and 71 x 240 mm; other dimensions available on request.
- Basic Collection includes Modular and Premier Plus flat units with matching corner units.
- Flats are measured in wall area; corners are measured in corner height, both including a 1/2 in mortar joint.
- Bonding mortar is supplied in 20 kg (44 lb) pails, with standard joint colors and custom colors available.

## More than brick

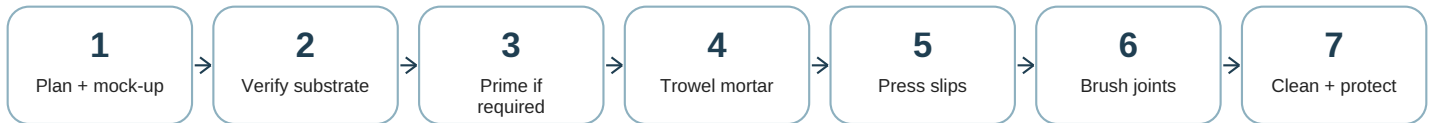


Elastolith Designer can create stone-block, wood-grain, long-format, custom shapes and virtually endless colors. Mock-ups are recommended so the project team can approve texture, color blend, mortar color and joint profile before production work.

# Practical Application Overview

Installer-facing sequence and key detailing considerations

## Basic installation sequence



### Before application

- Order all project material together where practical; allow extra material for waste, repairs and touch-ups.
- Construct an approved mock-up under expected jobsite conditions.
- Confirm wall is load-bearing, stable, flat, dry, clean, free of contaminants and compatible with the Elastolith system.
- Lay out courses, joint widths, openings, corners, terminations and architectural transitions before application.
- Use a building line, marking cord or laser every 3 to 4 courses and blend slips from multiple boxes.

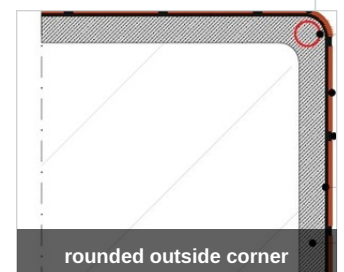
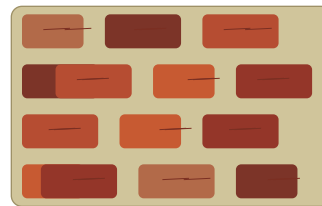
### During installation

- Apply adhesive/bonding mortar vertically with a toothed trowel; do not spread more than can be covered before skin formation.
- Press each slip into wet adhesive with a slight sliding movement and verify full back coverage periodically.
- Smooth head joints first, then bed joints with a slightly damp brush, keeping mortar in contact with slip sides.
- Remove wet mortar from slip faces immediately; clean light residue after drying with a suitable hand brush.
- Protect exterior work from wind and rain for at least 3 days after laying; extend protection for cool or humid conditions.

### Detailing considerations

- Maintain all movement joints, control joints and expansion joints; do not bridge them with brick slips or bonding mortar.
- Substrate design, air/water barrier, drainage, flashing, fire-resistance, penetrations and trim attachment remain by the wall assembly designer.
- Special details include inside corners, outside corner pieces, terminations at architectural molding, rounded outside corners and soldier courses above openings.

### Design for the finish as a system



Use project-specific details to coordinate the finish with the selected structural wall assembly. Rounded outside corners, corner pieces and soldier-course conditions should be mocked up where appearance is important.

### Typical tools

Measuring tools, level or laser, marking cord, trowel, toothed trowel (4x4, 4x6 or 6x6 mm), scissors/cutter, flat brush for joints, sponge, hand brush, clean water, buckets and appropriate PPE.

# Sustainability + Code Confidence

Verified LCA/EPD benchmark and fire-test documentation for project review

**MASONRY LOOK. LOWER IMPACT.**

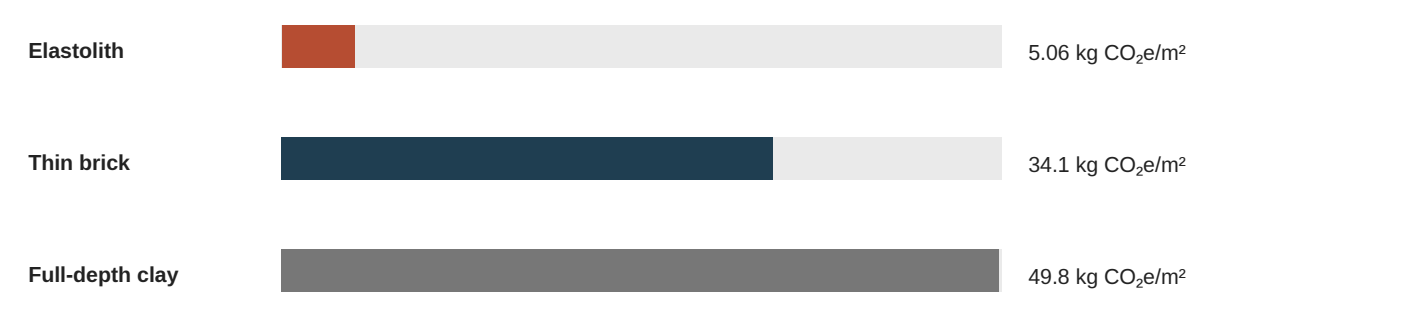
**85-90%**  
lower reported total GWP

Compared with cited clay masonry benchmarks on a facade-area basis. Including trans-Atlantic shipping, the benchmark summary indicates approximately 71-80% lower reported total GWP.

## Environmental impact benchmark

| Material benchmark                           | Mass<br>kg/m² | A1-A3 GWP<br>kg CO₂e/m² | Total GWP<br>kg CO₂e/m² |
|----------------------------------------------|---------------|-------------------------|-------------------------|
| Elastolith brick slips + adhesive mortar     | 8.491         | 4.13                    | 5.06                    |
| Full-depth clay brick / structural clay tile | 112.18        | 31.8                    | 49.8                    |
| Thin brick                                   | 20.09         | 28.4                    | 34.1                    |

## Reported total GWP comparison



## Project review reminders

**Fire-test applicability**

NFPA 285, ULC S134 and ASTM E84 results support specification discussions, but applicability depends on complete wall assembly, substrate, installation details, local code and authority having jurisdiction.

**Request documentation early**

Before specification, request relevant tested assembly information, ASTM E84 report, verified LCA/EPD summary, product technical data sheets and schematic detail package.

**Design professional review**

The finish package does not replace project specifications, local code review, wall system details, or the work of a qualified design professional.

LCA/EPD benchmark: per m² of installed facade finish, directional comparison based on published LCA/EPD data. Elastolith + mortar study covers 1 m² installed with Elastolith Adhesive Mortar; validity noted in source as 20-07-2025 to 20-07-2030.

# Maintenance, Repair + Next Steps

Leave-behind checklist for owners, builders and design teams

## Maintenance overview

### Inspect

Inspect at least annually and after severe weather. Look for damaged slips, open joints, sealant issues, movement-joint problems, or conditions that could allow water behind the finish.

### Clean

Use the gentlest effective method: soft/medium bristle brush, garden hose, or low-pressure washing when needed. Test cleaners first and rinse thoroughly.

### Avoid

Do not use solvent-based cleaners, steam/high-temperature methods, stiff/wire brushes, sandblasting, abrasive cleaning, or pressure washing above 500 psi.

## Damaged slip replacement sequence

**1.** Clean around damaged unit.

**2.** Warm/soften and carefully remove damaged slip where needed.

**3.** Inspect and repair underlying wall assembly before reinstalling finish.

**4.** Make repair area flat, solid, dry and clean.

**5.** Apply Elastolith Adhesive / Bonding Mortar for full coverage.

**6.** Press replacement into place; align joints.

**7.** Brush mortar around edges and into joints to seal slip sides.

**8.** Clean excess and protect repair while it dries.

## Specification / meeting checklist

- Select brick slip color, texture, size/format and mortar/joint color.
- Confirm structural wall type and the applicable tested/approved assembly path.
- Review substrate preparation, primer decision, movement joints, flashings, penetrations and trim terminations.
- Request sample boards, mock-up, product TDS, fire-test documentation, LCA/EPD summary and schematic detail package.
- Coordinate installation sequencing, weather protection and post-installation maintenance plan.

**ELASTOLITH®**

**First Storey Ventures Ltd.**

Exclusive North American Distributor



Scan for product info

[elastolith-america.com](http://elastolith-america.com)  
[info@elastolith-america.com](mailto:info@elastolith-america.com)

Source basis: Elastolith Brick slips and Adhesive Mortar technical data sheets 01.2026; Basic Collection 2026; North America trade show handout; LCA/EPD comparison slide; SGS ASTM E84 report 3-56807-0; North America detail package; application and repair/maintenance guide content adapted to Elastolith component names.

Important: Final project use is subject to local codes, tested or approved wall assembly details, product technical data, project specifications, and authority having jurisdiction approval.